

VOYNICH-SYANOZHENTSKIY, Georgiy Pavlovich

Georgian Order of Labor Red Banner Agricultural Inst, Academic degree of Doctor of Technical Sciences, based on his defense, 22 June 1954, in the Council of the All-Union Sci-Res Inst of Hydrotechnics and Melioration, of his dissertation entitled: "Installation of an efficient irrigation scheme for systems with machine zonal water-lifting".

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 9, 16 April 55, Byulleten' MVO SSSR, No. 14, Jul 56, Moscow, pp 4-22, Uncl. JPRS/NY-429

VORONICH-SYANOVETS'KIY, G. P.

"Establishing a Rational Irrigation Scheme for Systems With Mechanical Zonal Water Lift." Dr Tech Sci, All-Union Sci-Res Inst of Water Engineering and Improvement, Tbilisi, 1954. (RZhMekh, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

SOV/24-59-2-20/30

AUTHOR: Voynich-Syanozhentskiy, T. G. (Tbilisi)**TITLE:** On Some Parameters of Hydraulic Jump (O nekotorykh paramet-
rakh donnogo gidravlicheskogo pryzhka)**PERIODICAL:** Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Energetika i avtomatika, 1959, Nr 2, pp 131-134 (USSR)**ABSTRACT:** Hydraulic jump is considered as a macro-turbulent flow
moving with the variable discharge (Fig 1). The differen-
tial equation of motion in this case can be shown as Eq (1)
(Ref 1), where Q - discharge, v - mean velocity, ω -
cross-section, h - depth of jump, P_0 - surface pressure,
 γ - mean volumetric weight of water, g - gravity, α -
force adjusted for macro-pulsation and variation of velocity.
The value of α can be determined from Eq (2), where u -
velocity at a given instant, u' - pulsating component of
 u , ϵ - difference between mean v and mean u at a
given instant, T - time. The mean pressure is expressed
by Eq (3), where H - total depth of flow, P_a - atmos-
pheric pressure, γ_0 - volumetric weight of water above

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On Some Parameters of Hydraulic Jump

the region of the whirlpool (i.e. above the plane of null velocity). The formula (3) can be substituted into the last term of Eq (3) which will thus take the form of Eq (4). The curves of the free surface of the jump and at the surface of the null velocity (Fig 1) can be expressed as Eqs (5) or (6), where m and n depend on the kinetic parameter $N_{Fr}^{(1)}$ and on the amount of submersion σ (the ratio s/l is excluded from Eq (6)). Taking into consideration Eqs (4) and (6), the formula (1) can be written as Eq (7), which becomes Eq (8) when it is assumed that the rate of air saturation between the cross-sections $2^* - 2^*$ and $2 - 2$ (Fig 1) is constant. The linear solution of Eq (8) can be shown as Eq (9). The value of α can be determined from Eqs (10) and (11), where ξ_1 , ξ_2 and ξ_H are found from Eqs (12) and (13). The values of y and k in Eq (11) were found experimentally as Eq (14) for the ideal conditions or as Eq (15) for the flooded jump. Fig 2 represents the curve of α_* calculated from Eq (11) and its experimental values obtained for $N_{Fr}^{(1)} = 6 \dots 66$ and Card 2/3 $\sigma = 1.0 \dots 1.5$ (circles represent data from Tbilisi Hydro-

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On Some Parameters of Hydraulic Jump

electric Power Institute, black dots represent data from D. I. Kumin, Ref 2). The formula (16) can be used for verification. The diffusion of energy in the sector between $2^* - 2^*$ and $2 - 2$ can be calculated from Eq (17) and that in the jump ($1 - 1$ and $2^* - 2^*$) from Eqs (18) and (22) where J_m is the specific loss of energy due to the turbulence. The length of the jump is calculated from Eqs (23) or (24). The curve calculated from Eq (24) together with the experimental values is shown in Fig 3. Similarly, Fig 4 illustrates the length of jump in relation to the values of l_0/h_1 . There are 4 figures and 2 Soviet references.

SUBMITTED: July 1, 1958.

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VOYNICH-SYANOZHENTSKY, T. G. (Tbilisi)

"The problem of stability of a real fluid flow with free surface in
canals of finite depth"

report presented at the 2nd All-Union Congress on Theoretical and Applied
Mechanics, Moscow, 29 Jan - 5 Feb 1964.

VOYNICH-SYANOZHEVTSKII, T.G., LOMTATIDZE, V.G.

Analysis of currents to determine stabilized uniformly variable motion of water. Soob. AN Gruz. SSR 22 no.3:273-280 Mr '59.
(MIRA 12:8)

1.Tbilisskiy nauchno-issledovatel'skiy institut sooruzheniy i
gidroenergetiki. Predstavleno akademikom K.S. Zavriyevym.
(Hydraulics)

VOYNICH-SYANOZHENTSKIY, T.G.; ALAVIDZE, T.A.

Determining maximum water levels in nonselfregulating diversion
conduits in connection with sudden decreases in load. Soob. AN
Gruz. SSR 21 no.4:399-406 0 '58. (MIRA 12:4)

1. Tbilisskiy nauchno-issledovatel'skiy institut soorusheniy i
gidroenergetiki im. A.V. Vintera. Predstavlenom akademikom K.S.
Zavriyevym.

(Hydraulic engineering)

VOYNIK, A.

Ways to improve the quality of teaching. Prof.-tekhn. obr. 21 no. 6:
20-22 Je '64. (MIRA 17:9)

1. Direktor Khar'kovskogo industrial'nogo tekhnikuma professional'no-tekhnicheskogo obrazovaniya.

VOYNIK, A.

Training device for locksmith work. Prof.-tekhn. obr. 22 no.9:39 S
'65. (MIRA 18:9)

1. Direktor Khar'kovskogo industrial'nogo tekhnikuma professional'no-tekhнического образованиya.

VOYNIK, A.I.

Qualitative and quantitative determination of sugar in the
urine without reagents and apparatus. Kaz.med.zhur. 40
no.3:94 My-Je '59. (MIRA 12:11)

1. Iz bol'nitsy im. N.A.Semashko g.Penzy (glavvrach - Yu.M.
Milushev).

(URINE--ANALYSIS AND PATHOLOGY)
(SUGAR IN THE BODY)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8

V. G. NIK. A. I.
ANDREYEVA, N.S.; VOYNIK, A.I.; RAYSH, V.G.; TANCHER, M.I.; SHEVCHENKO, M.N.

Oxygen therapy by inhalation and subcutaneous injection. Vrach.delo
no.8:863 Ag '57.
(MLRA 10:8)

1. Penzenskaya gorodskaya bol'nitsa im. N.A.Semashko
(OXYGEN--THERAPEUTIC USE)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8"

KAGAN, F.Ya.; ZVYAGIN, P.Z.; MAYZEL', L.I.; ONUFRIYEV, L.N.; VOYNIK, I.A.

Greater scientific substantiation of planning in coal mines by
introducing technical standards. Ugol' 40 no.9:41-45 3 '65.

(MIRA 18:10)

1. Gosudarstvennyy komitet po toplivnye promyshlennosti pri
Gosplane SSSR (for Kagan). 2. Institut gornogo dela im. A.A.
Skochinskogo (for all except Kagan).

VOYNIK, I.A., gernyy inzhener.

Hermetic well sealing methods for measuring gas pressure. Ugol' 31
no. 4:22-25 Ap '56. (MIRA 9:7)

1. Vsesoyuznyy ugol'nyy institut.
(Mine gases)

GARKAVI, S.M., kandidat tekhnicheskikh nauk.; BHAYTSEV, A.V., kandidat tekhnicheskikh nauk.; Voynik, I.A., gornyy inzhener.

Importance of hard headings and drainage shafts in the safety of haulage drifting along seams where sudden coal and gas outbursts are likely to occur. Ugol' 31 no.10:23-26 O '56. (MLRA 9:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut.
(Coal mines and mining--Safety measures)

VOYNIK, O., inzh.

Why don't we produce vitamin enriched milk? Sov.torg. 35 no.1:46
Ja '62. (MIRA 15:1)
(Milk--Composition)

VOYNIK, O.M.

YAROSHEV, D.M., kand. tekhn. nauk; VOYNIK, O.M., inzh., nauchnyy red.; BEGAK,
B.A., red. izd-va; UDOD, V.Ya., red. izd-va; GUSEVA, S.S., tekhn. red.;
BOROVIEV, N.K., tekhn. red.

[Problems in over-all mechanization and power methods] Problemy kom-
pleksnoi mekhanizatsii i energeticheskii metod. Moskva, Gos. izd-vo
lit-ry po stroit., arkhit. i stroyitel'nym materialam, 1958. 119 p.
(Building) (MIRA 11:7)

SOV/124-57-8-9696

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 152 (USSR)

AUTHOR: Voynikanis-Mirskiy, V. N.

TITLE: The Calculation of the Pull Exerted by Drifter Capstans and Winches
(Raschet tyagovykh usiliy drifternykh shpiley i lebedok)

PERIODICAL: Tr. Astrakhan. tekhn. in-ta rybn. prom-sti i kh-va, 1956, Nr 3,
pp 99-109

ABSTRACT: Bibliographic entry

Card 1/1

VOYNIKANIS-NIRSKIY, Vendimian Nikolayevich ; KOSSOVA, O.N., red.;
SOKOLOVA, I.A., tekhn. red.

[Techniques of commercial fishing and the hunting of marine animals] Tekhnika promyshlennogo rybolovstva i promysel morskogo zveria. 2. izd., dop. i perer.; dopushchено Ministerstvom vysshego i srednego spetsial'nogo obrazovaniia SSSR v kachestve uchebnika dlja tekhnikuma rybnoi promyshlennosti 3 iunija 1961 g. Moskva, Pishchepromizdat, 1961. 501 p. (MIRA 15:2)
(Fisheries)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8

VOYNIKONIS, A.L.

VOYNIKONIS, A.L.; KOVRIGIN, V.A.

Cantilever bracket for attaching supports of the T-41 hoist to
window openings. Rats. i izobr. predl. v stroi. no.2:54-55 '57.
(MIRA 11:1)

(Hoisting machinery)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8"

Yevgeni Voinovich, Jr.
VOYNILovich, Ye.A.

Estonian S.S.R. Nauka i pered. op. v sel'khoz. 7 no.11:36-37 N '57.
(MIRA 10:11)

1. Glavnny metodist pavil'ona "Estonskaya SSR" Vsesoyuznoy sel'sko-
khozyaystvennoy vystavki.
(Estonia--Agriculture)

VOROULLOVICH, Ye. A.; glavnnyy metodist; PARTS, Ya.Yu.; BARSHAK, O.G., otvetstvennyy redaktor

[The "Estonia S.S.R." pavilion; a guidebook] Pavil'on "Estonskaia SSR"; putesvoditel'. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 25 p.
(MLRA 9:12)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
2. Direktor pavil'ona (for Parts)
(Estonia--Agriculture) (Moscow--Agricultural exhibitions)

Voynitskiy, V. Yu.

VOYNITSKIY, V.Yu., inzh.; SIPUNOV, F.I., inzh.

Automatic flame "pickup" operating on a pressure drop impulse.
Energetik 6 no.3:7-8 Mr '58. (MIRA 11:2)
(Boilers--Accessories)

VOYNIK, O. M.

Forage Plants

"New forage crops." M. Yelsukov. L. Gromova. Reviewed by O. M. Voynik. Korm. baza
2 No. 3, 1951

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified

ROMANOV, V.P., inzh.; VIL'CHITSKIY, V.V., inzh.; FAYNER, I.A., inzh.; SEN'KO,
L.S., inzh.; VOYNIKANIS, N.V., inzh.; BOYKOV, V.V., inzh.; BLOKHOV,
B.G., inzh.

Making 2,753m of crosscut in hard rock in 31 days. Shakht. stroi. 8
(MIRA 17:10)
no.6:17-21 Je '64.

1. Kombinat Kuzbassugol' (for Romanov, Vil'chitskiy, Fayner). 2.
Shakhta No.3/3-bis tresta Prokop'yevskugol' (for Sen'ko). 3. Trest
Prokop'yevskugol' (for Voynikanis). 4. Kuznetskiy mashinostroitel'nyy
zavod (for Boykov, Blokhov).

1. VOYNIKANIS-MIRSKIY, V. N.
2. USSR (600)
4. Nets
7. New method for bracing fixed nets on pests. Ryb. khoz. 28 no.9, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1. VOYNIKANIS-MIRSKIY, V.N.
2. USSR (600)
4. Nets
7. Calculating the "wet" of a net in determining resistance to motion in water.
Ryb. khez. 28 no. 9, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

VOYNIKANIS-MIRSKIY, V. N.

Agriculture.

Technique of commercial fishing Moskva, pishchepromizdat, 1951.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 Uncl.

VOYNILOVICH, G.I.

CA

The preparation of sodium amide by the process of the State Institute of Applied Chemistry. G. I. Voynilovich, B. B. Vasil'ev and R. I. Akhunov. *J. Chem. Tech.* (Moscow) 1934, No. 10, 54 0.—NaCl is electrolyzed in liquid NH₃, with an Pt cathode and a graphite anode. The diaphragm is asbestos. Temp. below 0°, a pressure of 2-3 atm, and a potential of 4-6 v. give the best results. The pressure of gases in the cathode compartment should be 0.2-0.5 atm. greater than that in the anode compati-

ment to prevent the gases of the latter from entering the former. The anode compartment should be small. NaNH, H₂ and H₂O are formed at the cathode, and Cl₂ is formed at the anode. The latter reacts with NH₃ to form N₂ and NH₄Cl. The loss of N₂ can be avoided by mixing H₂ from the cathode with the anode gases. H. M. L.

ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION

VOYNILOVICH, Ye.A.

USER/ Agriculture - Exhibitions

Card 1/1 Pub. 123 - 7/17

Authors : Voynilovich, E. A., Chief, "Estonian SSR" pavilion

Title : The experimental station "Vindra"

Periodical : Vest. AN Kaz. SSR, 11, 54-60, Nov 1954

Abstract : Research results and experimental work of the experimental station "Vindra" of the Estonian SSR, which was represented at the All-Union Agricultural Exhibition, is described. Tables.

Institution :

Submitted :

VOYNITSKIY, V. Yu.

VOYNITSKIY, V.Yu.; ROGATSKIN, B.S.

Determining concentrations of reagent solutions in chemical water
treatment. Energetik 5 no.4:16-17 Ap '57. (MIRA 10:6)
(Feed-water purification)

SOV/137-58-9-18798

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 92 (USSR)

AUTHORS: Strelets, Kh.L., Voynitskiy, A.I., Ivanov, A.I., Petrov, V.I., Sergeyev, V.V., Forsblom, G.V.

TITLE: Studies in the Metallurgy of Titanium (Raboty v oblasti metalurgii titana)

PERIODICAL: V sb.: Legkiye metally. Nr 4, Leningrad, 1957, pp 114-120

ABSTRACT: A review of studies of titanium metallurgy in the USSR comprising the production of anhydrous $TiCl_4$, the development of processes and equipment for reduction of $TiCl_4$ by Mg and Na, the purification of Ti sponge, the electrolysis of Ti and TiO_2 chlorides, the electrolytic refining of Ti, etc. The studies and investigations performed have made it possible to organize large-scale industrial extraction of Ti in the USSR.

Ye.Z.

1. Metallurgy--USSR 2. Titanium--Study and teaching

Card 1/1

24010
S/080/61/034/006/013/020
D247/D305

163100

AUTHORS: Voznitskiy, A.I., Perfil'yev, O.V., P'yankov, V.A.,
and Sandler, R.A.

TITLE: Some temperature peculiarities during the reduction
of titanium tetrachloride by sodium

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 6, 1961,
1357-1364

TEXT: A large industrial scale reactor was used for the work men-
tioned in the title. Titanium tetrachloride was added continuously
and rapidly; liquid sodium was added periodically when the previ-
ous quantity of reducing agent had been 95-98 % used. There was
no inner reaction flask and the reactor surface was air cooled
from a fan. The inner wall temperature was measured by a five-junc-
tion chromel-alumel thermo-couple, housed in a protective stain-
less steel case. The surface temperature was measured by a single-
pointed thermo-couple passing through the roof. The outer wall

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D247/D305

Some temperature peculiarities ...

temperature by welded thermocouples close to the wall. In the early stages of the reaction the temperature rises from bottom to top of the reactor. Addition of titanium tetrachloride causes a rapid rise in the temperature in the upper part of the reactor so that in 15-20 minutes, feeding of tetrachloride must cease to avoid melting of the thermocouple coverings and screen. When 60-75 % of the reducing agent has been used up the maximum temperature moves to the central region. As more sodium is used the fusion temperature rises sharply and the temperature above the fusion bath falls. The cycle is repeated on adding more reducing agent. The characteristic time-temperature curves for this reaction are given graphically. These temperature changes are related to the utilization coefficient of the reducing agent and depend on two things: the high sodium vapor tension at the given temperature and the ability of sodium to dissolve in the considerable amounts of sodium chloride formed. A sodium surplus leads to vaporization of the reducing agent, as a result of which the reaction continues in the gaseous phase. Therefore, the temperature above the fusion rises. The more

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D247/D305

Some temperature peculiarities ...

sodium chloride is formed, the more sodium is dissolved. When no surplus sodium remains vaporization ceases and reduction only continues through the interaction of titanium tetrachloride and the diffusion containing the dissolved sodium. The utilization coefficient can be calculated as follows: The maximum coefficient is assumed to be x . Then the amount of sodium remaining is $1-x$; the amount of sodium chloride formed according to the reaction $4\text{Na} + \text{TiCl}_4 = 4\text{NaCl} + \text{Ti}$ will be $2.55x$. If the solubility of sodium in sodium chloride is P (wt. %) then

$$1 - x = \frac{P}{100} = 2.55x, \text{ whence } x = \frac{1}{1 + 0.0255P}. \quad (1)$$

The high temperature may lead to overheating and melting of parts of the apparatus. This can be avoided by slowing the addition of titanium tetrachloride. The cases of the inner and screen thermocouples are worst placed. The external thermocouples show the wall temperature more accurately; the inner give a comparatively higher reading and thereby hinder any intensification of the process. The

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D247/D305

Some temperature peculiarities ...

discrepancy is small ($50-70^{\circ}$) on the fusion level at low speeds, but increases with rise in speed (to $100-150^{\circ}$). Above the fusion level the discrepancy may reach $200-220^{\circ}$, though the wall temperature does not exceed $600-700^{\circ}$. Experiments using 10 thermocouples confirmed this. Therefore, when controlling the temperature by three or four vertically placed thermocouples there must be a reserve of $100-150^{\circ}$ in the temperature band in the fusing region. The wall temperature must not exceed $800-820^{\circ}$ with air cooling. The wall temperature at the fusion level must be watched and, with periodic filling, the screen temperature. If the utilization coefficient is kept above $90-92^{\circ}$ by continuous feeding of sodium simultaneously with titanium tetrachloride the need for screen temperature control will decline because the unused sodium will dissolve in the salt and there will be a minimum of reaction in the gaseous phase. The reduction process can thus be intensified. There are 4 figures, 1 table and 1 non-Soviet-bloc reference. The reference to the English-language publication reads as follows: M.A. Breding, I.W. Johnson, J.A. Chem. Soc., 77, 307, 1955.

Card 4/5

24010
S/080/61/034/006/013/020
D247/D305

Some temperature peculiarities ...

ASSOCIATION: Vsesoyuznyy alyuminiyev-magniyevyy institut (All-Union Institute of Magnesium and Aluminum)

SUBMITTED: July 2, 1960

X

Card 5/5

SOV/137-58-8-16650

Translation from: Reserativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 58 (USSR)

AUTHORS: Voynitskiy, A.I., Tayts, A.Yu.

TITLE: VAMI Studies in the Field of Calcium Metallurgy (Raboty VAMI
v oblasti metallurgii kal'tsiya)

PERIODICAL: V sb.: Legkiye metally, Nr 4. Leningrad, 1957, pp 120-124

ABSTRACT: The optimum conditions for electrolytic recovery of Ca and its alloys have been determined, and a method of extracting Ca by heat in vacuum has been found. Dewatering of CaCl_2 for subsequent electrolysis is performed by remelting at $850\text{-}900^\circ\text{C}$ for 30 to 40 min. Addition of 5% NH_4Cl is desirable. The electrolysis is performed with pure CaCl_2 or a mixture of 25 parts by weight CaCl_2 and 4 parts CaF_2 . The process is run at $780\text{-}810^\circ$, cathode current density 40-50 amps/ dm^2 , and bath voltage 20-30 v. The current efficiency is 85%, and 40 kwh is consumed per kg Ca. Fe and alkaline metals must not be allowed to accumulate in the electrolyte. CaCl_2 electrolysis with liquid cathode (Al, Pb, Cu, or other metals) is possible and yields a corresponding Ca alloy. Ca may easily be driven off in vacuum from a Ca-Cu alloy. Alloys of Cu and Al are produced at

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SOV/137-58-8-16650

VAMI Studies in the Field of Calcium Metallurgy

~ 5.5-v potential and 800-850° for low Ca contents. It is possible to produce Ca-Al alloys containing up to 50% Ca. Under these conditions current efficiency increases as temperature rises to 800-900°. It is desirable to add 15% KC1 to the electrolyte. When CaO is reduced by Al by heat in vacuum in a 400-kg-charge furnace with graphite heaters, the Ca yield is 60-70% (up to 92 kg per batch) at a process temperature of 1200-1300°. The charge required per kg Ca is 3.8-4.3 kg, the Al consumption is 0.67-0.78 kg, and the electric energy consumption 14 kwh. The % contents of the resultant Ca was: Fe 0.003-0.004, Si 0.05-0.008, Mn 0.04-0.15, Cu 0.002-0.004, N₂ 0.006-0.009, Al 0.2, Mg 1-2 (from the Mg in the charge). It is also possible to recover Ca by reduction of CaO with an Si-Al alloy at 1375-1400° in an 0.05-1 mm Hg vacuum with up to 85% Ca yield, and also with the aid of Fe-Si at 1400-1450° in an 0.01-0.03 mm Hg vacuum, with a yield of 50-70% and an Fe-Si consumption of 0.6-0.8 kg/kg Ca..

Ye.Z.

1. Calcium--Rec very
2. Calcium alloys-- reduction
3. Calcium--Electrolysis
4. Electrolytic cells--Performance

Card 2/2

SOV/137-58-7-14542

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 86 (USSR)

AUTHORS: Gus'kov, V.M., Zuyev, N.M., Voynitskiy, A.I.

TITLE: Alumirothermal and Silicothal Methods of Production of Potassium from Chlorine Salts Thereof (Alyumino- i silikotermicheskiy sposoby polucheniya kaliya iz yego khloristoy soli)

PERIODICAL: Tr. Vses. n.-i. alyumin.-magn. in-ta, 1957, Nr 40, pp 307-336

ABSTRACT: A brief review of the development of K metallurgy. The results of laboratory investigations of the thermal process of K production are presented. It is found that the quantity of reductant and the amount of CaO in the charge affect recovery of the metal in equal measure. The following charge compositions are recommended. For reduction with Al, a molecular CaO:KCl ratio of 0.6-1.0, Al:KCl = 0.8-1.2. Correspondingly, for reduction by silica, CaO:KCl = 0.6-0.9, and Si:KCl = 0.7-1.1. An increase in temperature reduces the duration of the thermal process. Maximum metal extraction is attained when the briquets are held at a temperature of >900°C. This temperature

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SOV/137-58-7-14542

Aluminothermal and Silicothermal Methods of Production (cont.)

permits nearly 100% recovery in Al reduction and up to 70% in Si reduction, provided that the reductant is finely ground and the CaO is under 36μ . The working pressure in the retort is <0.5 mm Hg. The addition of KF to the charge, particularly in Al reduction, increases K recovery. When a silico-aluminum alloy or ferrosilicon is used as the reductant, it must be borne in mind that the reducing power of Al and Si in alloys diminishes as the amount of impurities rises. Bibliography: 17 references.

L.P.

1. Potassium chlorides--Processing
--Chemical reactions 2. Potassium--Production
4. Silicon--Chemical reactions 3. Aluminum

Card 2/2

SOV/137-58-7-14560

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 88 (USSR)

AUTHORS: Voynitskiy, A.I., Gus'kov, V.M., Zuyev, N.M.

TITLE: Trends in the Development of the Production of Sodium and of Alloys of Sodium and Potassium Required to Produce Titanium by Sodiumthermal and Combined Methods (O putyakh razvitiya proizvodstva natriya i splavov natriya s kaliyem, neobkhodimykh dlya polucheniya titana natriyetermicheskim i kombinirovannym sposobami)

PERIODICAL: Tr. Vses. n.-i. alyumin.-magn. in-ta, 1957, Nr 40, pp 340-352

ABSTRACT: The results of laboratory experiments in the electrothermal production of Na and K alloys, based on reduction in vacuum of a mixture of Na and K chlorides by ferrosilicon or by primary Si-Al alloy in the presence of CaO, are adduced. Spent magnesium-plant electrolyte containing Na and K chlorides is suggested as the raw material for production of the alloys. Process procedures and compositions of mixes for production of Na and Na-K alloys are suggested. The design of vacuum equipment developed for this process is adduced. The furnace

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Trends in the Development of the Production of Sodium (cont.)

has internal and external heating. Side and bottom condensation of the Me are provided for. Hot charging and discharging of the N₂-filled furnace (without cooling) are provided.

L.P.

1. Sodium--Production
2. Sodium alloys--Production
3. Potassium alloys--Production
4. Sodium chlorides--Sources
5. Potassium chlorides--Sources

Card 2/2

VOYNITSKIY, V.Yu., inzh.; ROGATSKIY, B.S., inzh.; SIPUNOV, F.I., inzh.

Partial automatization and mechanization of chemical feed-water purification. Elek.sta. 28 no.12:22-26 D '57. (MIRA 12:3)
(Feed-water purification)

AUTHORS: Vpynitskiy, V. Yu., Sipunov, F.I., Engineers SOV/91-58-3-4/28

TITLE: An Apparatus for the Automatic "Pick-up" of the Flame, Based on a Pulse Due to Rarefaction (Avtomat "podkhvata" fakela s impul'som po razrezheniyu) Exchange of Experience (Obmen opytom)

PERIODICAL: Energetik, 1958, Nr 3, pp 7-8 (USSR)

ABSTRACT: The authors report that the automatic flame "pick-ups", based on cesium photoelements, produced by the TsLEM "Donbassenergo", proved much too weak and short-lived. The system was described by N.N. Komyakov in "Elektricheskiye stantsii", 1955, Nr 6. The authors now describe and illustrate a new system: a membrane is placed close to the furnace so that it caves in as soon as the flame considerably decreases thus provoking a new stage of rarefaction in the upper space of the furnace. The caving-in of the membrane switches in a mazut intake to build up the flame. If the flame is not restored within 6 seconds, a coal-dust intake is automatically opened by the membrane contacts and kept open until attendant per-

Card 1/2

SOV/91-58-3-4/28

An Apparatus for the Automatic "Pick-up" of the Flame, Based on a Pulse Due to Rarefaction

sonnel come and regulate the process. Light and sound signals start working as soon as the mazut is switched-in, and coal-dust switched-off.

There is 1 circuit diagram and 1 Soviet reference.

Card 2/2

VOYNITSKIY, V.Yu, inzhener; KOMAROV, G.P., inzhener.

Experience in using induction gauges for heat control devices in
electronic feed controllers of VTI systems. Energetik 5 no.3:20-
22 Mr '57. (MIRA 10:3)
(Electric controllers)

VOYNITSKIY, Ya.Yu.; LIBES, M.Ya.

Operating conditions of output cascades of the PRS-1-58 desk and
the BU-1-60 block used in program control of machine tools.
Stan.i instr. 33 no.12:24-25 D '62. (MIRA 16:1)
(Machine tools--Numerical control)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8

VOYNO, M. S., kand. biologicheskikh nauk

How a nerve fiber is growing. Nauka i zhizn' 29 no.9:34-35
(MIRA 15:10)
S '62.

(CEREBRAL CORTEX)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8"

VOYNO, M. S.

"Nekotoryye osobennosti protsessa mielinizatsii kory nizhney lobnoy izvilyny mozga cheloveka v postnatal'nom ontogeneze."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

VOYNO, M.S. (Moskva, I-10, B. Balkanskiy per., 13, kv.95)

Quantitative analysis of the number and thickness of radial myelinated fibers of the motor region of the human cortex during postnatal development. Arkh.anat.gist.1 embr. 39 no.9:3010 S '60.
(MIRA 14:1)

I. Laboratoriya evolyutsii mozga (zav. doktor meditsinskikh nauk Yu.G. Shevchenko) Nauchno-issledovatel'skogo instituta antropologii Moskovskogo gosudarstvennogo universiteta.
(CEREBRAL CORTEX)

S/025/62/000/009/002/002
D268/D308

AUTHOR: Voyno, M. S., Candidate of Biological Sciences

TITLE: How the nerve fiber grows

PERIODICAL: Nauka i zhizn', no. 9, 1962, 34 - 35

TEXT: The author summarizes her thesis on 'Cyto- and myelorchitectonic characteristics of the cerebral cortex of the pre-central region', using variation statistics to study the development of motor movement in man in relation to nerve cell growth and development, myelization of the cerebral cortex, reversal in nerve fiber development in relation to age, and the role of statistics in the study of the brain. Three characteristics of myelization were established:
1) It is much earlier in the deep cortex layers than in the superficial, confirming the data of G. I. Polyakov and I. I. Gleser; 2) it is earlier in the radial than in the non-radial fiber system; and 3) different parts of the motor area mature at different times. It was found that nerve fiber myelization in man was completed at 10 years.

Card 1/2

How the nerve fiber grows

S/025/62/000/009/002/002
D268/D308

while the body of the nerve cells continued intense growth up to 18 years. This is attributed for the moment to differences in their functional importance in the activity of the brain.

✓

Card 2/2

VOYNO, M. S., CAND BIO SCI, "AGE VARIABILITY OF CYTO- AND
MYELO-ARCHITECTONIC STRUCTURES OF THE PRECENTRAL REGION OF
HUMAN
THE BRAIN IN POSTNATAL ONTOGENESIS OF MAN." MOSCOW, 1961.
(MOSCOW ORDER OF LENIN AND ORDER OF LABOR RED BANNER STATE
UNIV IMENI M. V. LOMONOSOV. BIOLOGY AND SOIL FACULTY).
(KL-DV, 11-61, 214).

VOYNO, M.S.

Myelinization in the motor area of the human cerebral cortex
during postnatal ontogenesis. Nauch.dokl.vys.shkoly;biol.nauki
no.4:79-84 '58. (MIRA 11:12)

1. Rekomendovana laboratoriyye evolyutsii mozga Nauchno-issledo-
vatel'skogo instituta antropologii Moskovskogo gosudarstvennogo
universiteta imeni M.V.Lomonosova.
(CEPHERAL CORTEX)

RAVNOV, A.S., prof.; KOVANEV, V.A., kand. med. nauk; KIMEJEVSKIY, Ya.M.;
VOYNOVA, I.I.

Comparative evaluation of the action of depolarizing and nondepolarizing muscle relaxants in heart surgery. Khirurgiia 40 no.7:
18-23 Jl '64.
(MIRA 18:2)

1. Institut serdechno-sosudistoy khirurgii (dir. - zasluzhennyy
deyatel' nauki RSFSR prof. S.A. Kolesnikov, nauchnyy rukovoditel'
- akademik A.N. Bakulev) AMN SSSR, Moskva.

VOYNO-YASENETSKIY, A.M.

Case of blind ending of the pelvic segment of an accessory
ureter. Urologiia 28 no.2:47-48 Mr-Ap'63. (MIRA 16:6)

1. Iz Chitinskoy oblastnoy bol'nitsy imeni V.I.Lenina.
(URETERS—ANORMALITIES AND DEFORMITIES)

VOYNO-SIDOROVICH, G.B., mladshiy nauchnyy otrudnik

Some results of studies of the water intake on the Tom' River.
Trudy Gidrav.lab.VODGEO no.8:27-40 '62. (MIRA 15:11)
(Tom' River—Intakes (Hydraulic engineering))

OBRAZOVSKIY, A.S.; VOYNQ-SIDOROVICH, G.B., inzh.

Study of riparian and insular floodable self-washing water-intakes. Trudy Gidrav. lab. VODGEO no.10:159-179 '63.
(MIRA 17:8)

VOYNO-YASENETSKIY, M.V.

Morphological phenomena of the protective functions of the body
in infectious processes. Vest.AMN SSSR 17 no.5:102-109 '62.

(MIRA 15:10)

(COMMUNICABLE DISEASES) (IMMUNITY) (LEUCOCYTES)

RYBAKOV, V.; VOYNOV, A.

Warming up diesel engines with steam. Avt. transp. 36 no. 9:52-53
S '58. (MIRA 11:10)
(Diesel engines--Cold weather operation)

VOYNOV, V. I.

Acute necrosis of the pancreas in a 4-year-old child. *Pediatriia*
no. 11:64-65 '61. (MIRA 14:12)

1. Iz khirurgicheskogo otdeleniya Orenburgskoy klinicheskoy bol'nitey
(glavnnyy vrach V. I. Kozlov)

(PANCREAS--NECROSIS) (CHILDREN--DISEASES)

L 04661-67 EWP(c)/EWP(k)/ENT(d)/EWT(m)/T/EWP(l)/EWP(v)/EWP(t)/ETI IJP(c)

ACC NR: AP6014443

SOURCE CODE: UR/0125/65/000/012/0071/0072

AUTHORS: Voytselenok, S. P.; Yankovskiy, V. M.; Voynov, V. P.

JD/HM/HW

5.2

B

ORG: none

TITLE: The influence of hydrogen and nitrogen on the seam quality of stainless
pipes during argon-arc welding

SOURCE: Avtomaticheskaya svarka, no. 12, 1965, 71-72

TOPIC TAGS: steel, welding seam welding, welding technology, welding inspection,
metal tube / 1Kh18N10T steel

ABSTRACT: The effect of hydrogen and nitrogen on the seam quality of stainless steel 1Kh18N10T pipes made by argon-arc welding techniques was studied. Microstructure photographs of the seams obtained in an argon, hydrogen, nitrogen, and mixed hydrogen + nitrogen + argon atmosphere arc welding are presented (see Fig. 1). It was found that the presence of hydrogen and nitrogen as well as moisture in the atmosphere or original metal cause porosity in the weld. Welding in an atmosphere consisting of 25% N₂ and 50% H₂ (and the rest argon) resulted in a six-fold increase in the nitrogen concentration in the welding seam. It was also established that the presence of nitrogen in the welding seam results in intercrystalline corrosion.

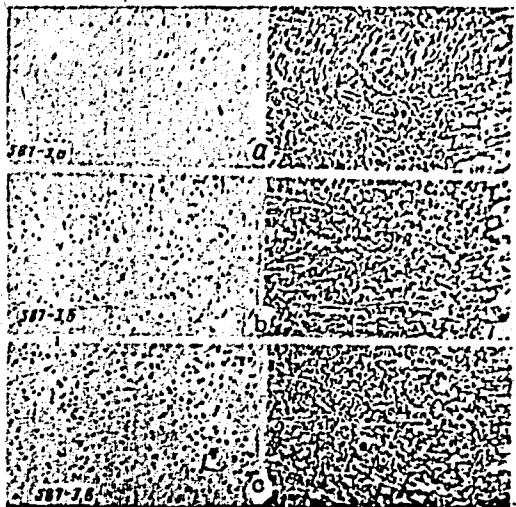
Card 1/2

UDC: 621.791.89:621.9-462

L 04661-67

ACC NR: AP6014443

Fig. 1. Microstructure of seams (transverse cross section), welded in: a - pure argon; b - 25% N₂ + 75% A; c -- 50% N₂ + 50% A (x 100).



Orig. art. has: 3 graphs.

SUB CODE: 11/ SUBM DATE: none
kh 13/

Card 2/2

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8

VOYNOVA, T.N.

Effect of boric fertilizers on the yield and quality of sugar
beets in Chuyaskiy District of Dzhambul Province. Izv. AN
Kazakh. SSR. Ser. biol. nauk 3 no.3:22-25 My-Je '65.
(MIRA 18:9)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8"

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8

CHUMINA, O.T.; VOYNOVSKAYA, K.K.

Changes of some physiological indices of corn leaves under various
conditions of cultivation. Trudy inst. bot. AN Kazakh. SSR 20:61-71
(MIRA 3833)
1964.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8"

3(4)
AUTHOR:

Voynovskiy, V. M.

SOV/6-59-10-7/21

TITLE:

Preparations Concerning the Height and Position of Air
Surveying Under the Conditions Prevailing in the Mountainous
Taiga

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 10, pp 25-29 (USSR)

ABSTRACT:

In 1955, the Dal'nevostochnoye aerogeodezicheskoye predpriyatiye (Soviet Far East Aerogeodetical Organization) commenced the preparation of air surveying with regard to position and height. The author of the article under review indicates the difficulties to be met herewith in the mountainous taiga, and gives a survey of the various attempts made to master these problems. Practical experience has shown the following: In the Soviet Far East it is not possible to pass over completely to the analytical method for the determination of fixed height- and position points. About 20% of the fixed height points lying in valleys etc. are to be determined by leveling or altitude traverses. One year before prospecting is commenced, additional air surveying is to be carried out for the planning of work and the identification of air photographs when marking fixed points. Apart from surveying by

Card 1/2

Preparations Concerning the Height and Position of
Air Surveying Under the Conditions Prevailing in the
Mountainous Taiga

SOV/6-59-10-7/21

means of tapes, field work is to be completed within one year, and one single topographer is to be charged with the marking of fixed points, installation of leveling rods, identification and determination of fixed height points in the valleys. Observations of the leveling rods from triangulation points are to be made by an expert. There are 4 tables.

Card 2/2

KLYUYEV, M.M.; TOPILIN, V.V.; VOYNOVSKIY, Ye.V.

Drop transfer of the electrode metal during the electric slag
melting of large diameter electrodes. Avtom.svar. 15 no.5:
44-48 My '62. (MIRA 15:4)

1. Ordona Lenina elektrometallurgicheskiy zavod "Elektrostal'"
imeni I.F.Tevosyana. (Electric welding)

ORBELI, Leon Abrarovich, akademik; VOYNO-YASENETSKIY, A.V., kand. biol. nauk, red.; DENISOVA, Z.V., red.; KASATKIN, N.I., red.

[Selected works in five volumes] Izbrannye trudy v piati to-makh. Moskva, Izd-vo "Nauka." Vol.3. [Problems of higher nervous activity and its development] Voprosy vysshei nervnoi deiatel'nosti i ee razvitiia. 1964. 479 p. (MIRA 17:7)

USSR/Microbiology. Microbes Pathogenic for Man and
Animals

F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57720

Author : Vojno-Yasenotskaya M. K.

Inst : Not given

Title : Experiment for the Study of Dysentery Infection
in Laboratory Animals

Orig Pub : Zh. mikrobiol., epidemiol. i immunologii,
1957, No 4, 65-69

Abstract : Mice (2420) were intranasally infected with 6
to 8 million microbe bodies of 40 different
cultures of dysentery bacteria (6--Flexner, 7--
Sonne, 3--Newcastle, 4--Schutser-Schmits, 20--
Boyd-Novgorodskiy different serological types)
and 2 cultures of coli bacilli. In seeding the
lungs of killed or perished mice it was estab-

Card1/2

BIBINOVA, L.S.; VOYNO-YASENETSKAYA, M.K.; NIKUL'NIKOVA, N.S.

Experimental reproduction of dysenterial infection. Vest. AMN SSSR
15 no.2:34-46 '60. (MIRA 14:6)

1. Institut ekperimental'noy meditsiny AMN SSSR, Institut imeni
Pastera i Leningradskiy institut vaktsin i syvorotok.
(DISENTERY)

VOYNO-YASENETSKIY, A.V.; MOSKALENKO, Yu.Ye.

Graphic registration of movements of chick embryos. Fiziol. zhur.
(MIRA 14:9)
47 no. 9:1205-1207 S '61.

1. From the I.M.Sechenov Institute of Evolutionary Physiology,
Leningrad.
(EMBRYOLOGY--EQUIPMENT AND SUPPLIES)

VOYNOVASNETSKAYA, M.K.; MILENUSHKIN, Yu. I.

Report of the activities of the Leningrad branch of the All-Russian Society of Epidemiologists, Microbiologists, and Specialists in Communicable Diseases during 1957. Zhur. mikrobiol. epid. i imun. 29 no. 8:155-157 Ag '58.
(MIRA 11:10)
(EPIDEMIOLOGY--SOCIETIES)

KOZLOV, V.A.; KLYUYEVA, S.K.; VOYNO-YASENETSKAYA, Ye.M.

Variations of neutrophil leucocytes in the blood during the cycle
changes in solar activity. Nek. vop. klim. i kraev. pat. no. 3:26
(MIRA 18:10)
36 '63.

VOYNO-YASENETSKAYA, Ye.M.

Variations of the absolute quantity of eosinophils in connection
with seasons and solar activity. Nek. vop. klim. i kraev. pat.
no. 3:37-41 '63. (MIRA 18:10)

VOYNO-YASENETSKIJ, ALEKSEY VALENTINOVICH

VOYNO-YASENETSKIY, Aleksey Valentinovich: ORRELLI, L.A., akademik, otvetstvennyy redaktor; ZHIRMUNSKIY, A.V., red.izd-va; TVERITINOVA, K.S., tekhn. red.

[Reflection of evolutionary features in epileptiform reaction of animals to the action of oxygen at increased partial pressure]
Otrazhenie evoliutsionnykh zakonomernostei v epileptiformnoi reaktsii zhivotnykh na deistvie vysokogo partial'nogo davleniya kisloroda.
Moskva, Izd-vo Akad.nauk SSSR, 1958. 165 p. (MIRA 11:2)
(OXYGEN--PHYSIOLOGICAL EFFECT)

VOYN-YASENETSKIY, A.V.; BURSIAN, A.V.

Development of motor activity in chick embryos. Fiziol. zhurn.
49 no.5:609-614 My '63. (MIR 17:11)

1. From the Sechenov Institute of Evolutionary Physiology, Leningrad.

VOYNO-YASENETSKIY, A.M.

Fate of the patient with nephrolithiasis of a solitary kidney.
(MIN: 17:3)

Urologiia 29 no.1:11-15 '64.
1. Urologicheskaya klinika (zav. - zasluzhennyj dayatel' nauki prof. A.P. Frumkin [deceased]) "entral'nogo instituta usovershenstvovaniya vrachey, Moskva.

VOYNO-YASENETSKIY, M.V.

Localization of dysentery pathogens in the intestine. Zhur. mikrobiol.,
epid. i immun. 40 no.11:56-60 N '63.

(MIRA 17:12)

1. Iz Instituta eksperimental'noy meditsiny AMN SSSR.

BIRYUKOV, Dmitriy Andreyevich, prof., otv. red.; VOYNO-YASENETSKIY, A.V., red.;
ZHUKOV, Ye.K., red.; KARAMYAN, A.I., red.; KREPS, Ye.M., red.;
PAVLOV, B.V., red.; VEDYAYEV, F.P., red.; RULEVA, M.S., tekhn. red.

[Evolution of the functions of the nervous system] Evolutsiya
funktsii nervnoi sistemy. [Leningrad] Gos. izd-vo med. lit-ry,
Leningr. otd-nie, 1958. 287 p. (MIRA 11:12)

1. Chlen-korrespondent Akademiya meditsinskikh nauk SSSR (for Biryukov).
(NERVOUS SYSTEM)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8

OBRAZTSOVA, Galina Alekseyevna; VOYNOKASENETSKIY, A.V., otv. red.; GOL'DAN-SKAYA, M.I., red. izd-va; ZAMARAYEVA, R.A., tekhn. red.

[Formation of the vestibular function in ontogenesis] Formirovanie vestibularnoi funktsii v ontogeneze. Moskva, Izd-vo Akad. nauk SSSR, 1961. 129 p.
(Vestibular apparatus)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120004-8"

VOYNO-YASENETSKAYA, M.K.

Intranasal inoculation of mice with dysentery bacteria as a
method of studying the action of antibiotics. Trudy Len.Inst.
epid. i mikrobiol. 18:182-189'58. (MIRA 16:7)

1. Iz laboratorii kishechnykh infektsiy Leningradskogo instituta
epidemiologii, mikrobiologii i gigiyeny imeni Pastera (zav.E.M.
. Novgorodskaya).
(DYSENTERY-MICROBIOLOGY) (ANTIBIOTICS)

EXCERPTA MEDICA Soc.11 Vol.3/5 Oto-Rhino-Laryngology
VOYNO-YASENETSKIY M.V.

955. VOYNO-YASENETSKIY M.V. and YAMPOLSKAYA S.A. Leningrad; Lvov.
* Histopathology of scleroma (Russian text) ARKH. PATOL.
1956, 18/4 (34-42) Illus. 13

Perusal of the literature reveals the striking fact that early stages of scleroma have only very rarely been examined. The present study is based on 500 biopsy specimens from the otorhinolaryngological clinic of the Lvov Medical Institute. Among them there were also early cases (less than 3 months) and multiple biopsy specimens from one person. It was observed that in the so-called early cases there were already definite scleroses and that after 20 to 30 yr. of illness relatively early infiltrations could be found. The presence of fresh small-celled granulation tissue, which would represent the first stage, between typical Mikulicz cells (stage II) and cicatricial tissue (stage III) is also in contradiction to the classical classification. Consequently, the histological changes in scleroma are much more complicated than has been assumed up to now. Of essential significance for the formation of scleroma nodules are reactive processes between the agents (Frisch's rods) and the organism. It was noted that the agents of scleroma may be in the Mikulicz cells for a long period and may even multiply. The Mikulicz cells bear the greatest similarity to pseudoxanthoma cells; hyaline inclusion bodies were only very rarely observed in them. The inflammatory reaction seems to be of small efficacy in scleroma. The histology of scleroma is shown in 13 clear microphotographs.

Brandt - Berlin (V. 11)

VOYN-YASENETSKIY, M.V.; KARPOVA, Ye.M.

Nature of focal changes in the spleen in relapsing fever. Arkh.
pat. 21 no.11:30-38 '59. (MIRA 13:12)
(SPLEEN) (RELAPSING FEVER)

V O Y N O - V I D E N C T V I T , M . V .

PUCHKOVSKAYA, N.A., doktor meditsinskikh nauk, redaktor; DEYNEKA, I.Ya., professor, redaktor; BARG, TS. M., starshyy nauchnyy sotrudnik, redaktor; BARKHASH, S.A., starshyy nauchnyy sotrudnik, redaktor; BUSHMICH, D.G., starshyy nauchnyy sotrudnik, redaktor; ~~YEVGENY ZHURAVLEV~~, V.V., kandidat meditsinskikh nauk, redaktor; DAUCHEVA, L.D., kandidat meditsinskikh nauk, redaktor; DEYNEKA, I. Ya., professor, redaktor; KURYSHKIN, P.M., starshyy nauchnyy sotrudnik, redaktor; MUCHNIK, S.R., doktor meditsinskikh nauk, redaktor; PUCHKOVSKAYA, N.A., doktor meditsinskikh nauk, redaktor; RUKIN, V.A., starshyy nauchnyy sotrudnik, redaktor; SYSOYEV, A.F., starshyy nauchnyy sotrudnik, redaktor.

[Proceedings of the jubilee conference of the Ukrainian Filatov Experimental Institute of Eye Diseases and the Odessa Pirogov Medical Institute, held on May 25-28, 1955, and dedicated to the 80th birthday of Professor Vladimir Petrovich Filatov, Hero of Socialist Labor, Stalin Prize winner, active member of the Academy of Sciences of the U.S.S.R. and the Academy of Medical Sciences of the U.S.S.R., and Honored Scientist] Trudy iubileinoi nauchnoi konferentsii Ukrainskogo eksperimental'nogo instituta glaznykh boleznei im. akad. V.P. Filatova i Odesskogo meditsinskogo instituta im. N.I. Pirogova, posviashchennoi 80-letiu so dnia rozhdeniya Geroia Sotsialisticheskogo Truda, laureata Stalinskoi premii, deistvitel'nogo chlena Akademii nauk USSR i Akademii meditsinskikh nauk SSSR, zasluzhennogo deiatelia nauki, professora Vladimira Petrovicha Filatova, 25-28 maya 1955 g. Kiev, Gos. med. izd-vo USSR, 1956. 302 p.

(MIRA 10:4)

1. Ukraine. Ministerstvo zdravookhraneniya. (EYE--DISEASES)

VoyNo - YASNETSKIV, I. I.

B-4

USSR/General Biology. General Development

Abs Jour : Ref Zhur - Biol., No 22, 1958, No 98931

Author : Filatov V.P., Voyno-Yasenotskiy V.V.

Inst : -
Title : Heteroplastic Grafting of Cornea from Far and
Near Species of Animals.

Orig Pub : Oftal'mol. zh. 1956, No 6, 357-360

Abstract : Described is a process of acclimatization of grafts from cats (10 cases) and fish (20 cases) in normal cornea of rabbits. Grafts were performed by the method of partial complete keratoplasty. Cats' eyes were kept for 24 hrs. at 4°; fish eyes (pike perch, pike, blue-back) from fish caught day before were used without conservation. Results are compared to former data on cornea transplantations from guinea-pigs (21 cases) and chickens (40 cases). The best results

Card

: 1/3

14

USSR/General Biology. General Development

Abs Jour : Ref Zhur - Biol., No 22, 1958, No 98931

were achieved with the guinea-pig grafts (one turbid acclimatization and 8 half-clear with evidence of replacement; 3 clear - without any evidence of replacement; observation time - 2 years). On the second place are chicken grafts (4 turbid, 17 half-clear with replacement evidence and one clear - without any replacement evidence; observation time ~ 23 months.) Grafts from cats resulted in turbid acclimatization with casting off on the 8th, 12th and 18th day after the operation, which evidently has a connection with the thickness incongruity in the cornea of rabbits and cats. Finally, the fish grafts became unclear, were replaced by the host's tissues at the evidence of cornea vascularization and were casting off on the third or fourth day after transplantation. The best results were obtained in grafts from closer animal species in cases

VOYNO-YASNETSKIY, V.V., starshiy nauchnyy sotrudnik

Transplantation of corneas preserved in formalin solutions. Uch. zap.
(MIRA 12:6)
USSR 4:63-76 '58.

1. Ukrainskiy eksperimental'nyy institut glaznykh bolezney i tkanevoy
terapii imeni akademika V.P. Filatova.
(CORNEA—TRANSPLANTATION)

VOYNO-YASENETSKIY, V.V., starshiy nauchnyy sotrudnik.

Influence of sympathetic denervation of the eye on the development of the allergic response and other phenomena observed in transplantation of the cornea. Oft. zhur. 13 no.6:363-370 '58. (MIRA 12:1)

1. Iz Ukrainskogo nauchno-issl. eksperimental'nogo instituta glaznykh bolezney i tkanevoy terapii imeni akad. V.P. Filatova (dir. - prof. N.A. Puchkovskaya).
(CORNEA—TRANSPLANTATION)

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